FIG. 1

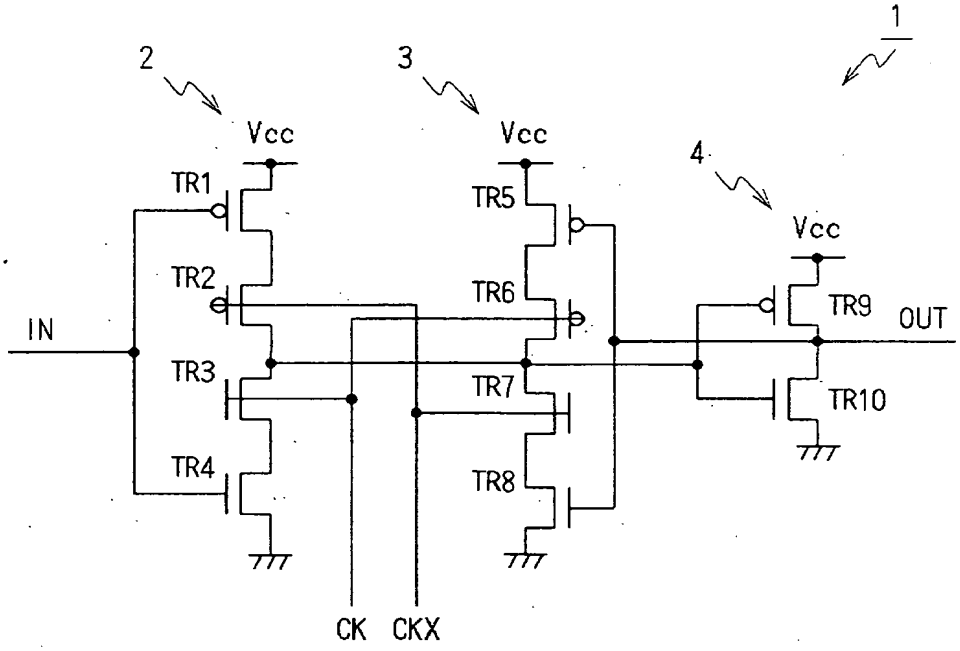

1
2
3
4
Vcc
Vcc
Vcc
TR1
TR2
TR3
TR4
TR5
TR6
TR7
TR8
TR9
TR10
IN
OUT
CK
CKX

FIG. 2

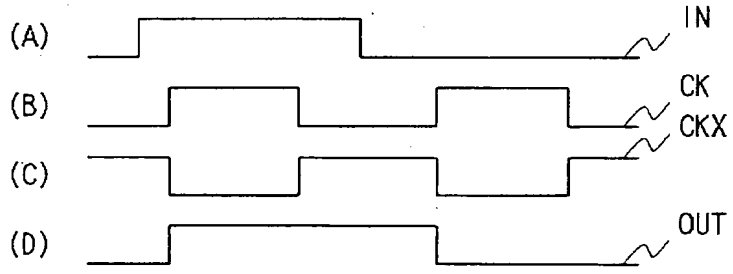

(A)
(B)
(C)
(D)
IN
CK
CKX
OUT

FIG. 3

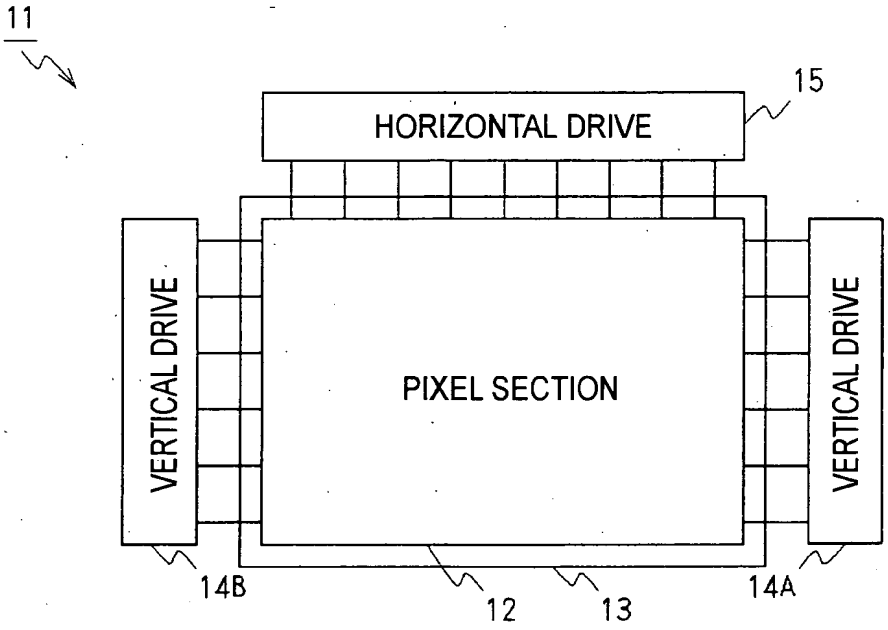

11
15
HORIZONTAL DRIVE
VERTICAL DRIVE
PIXEL SECTION
VERTICAL DRIVE
14B
12
13
14A

FIG. 4

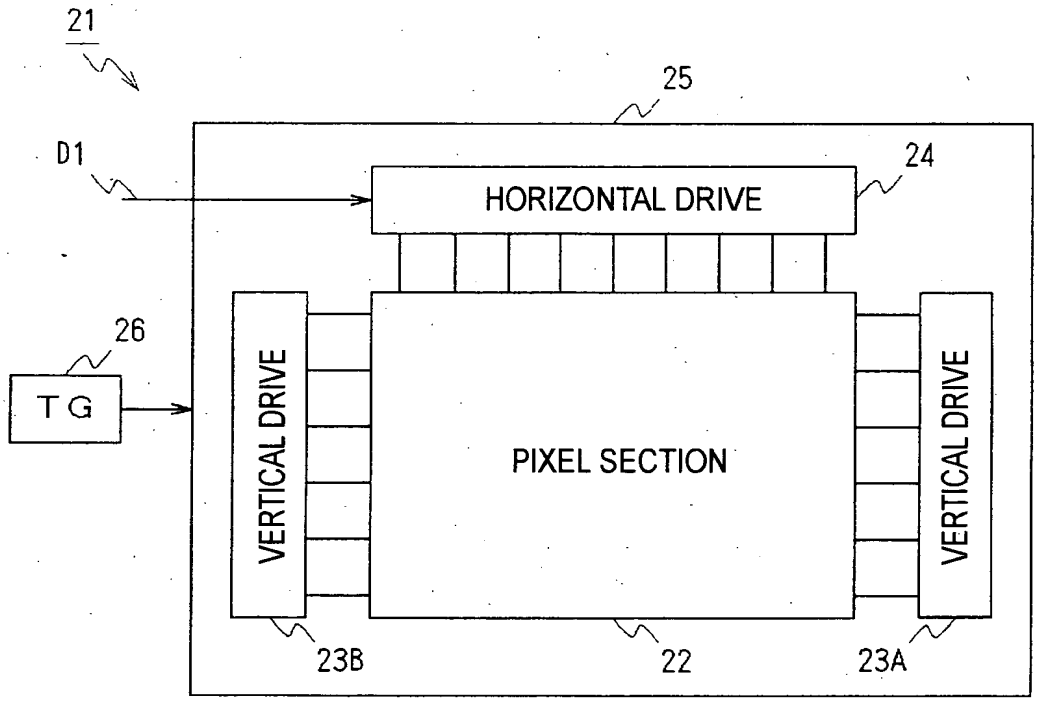

21
25
D1
24
HORIZONTAL DRIVE
26
TG
VERTICAL DRIVE
PIXEL SECTION
VERTICAL DRIVE
23B
22
23A

FIG. 5

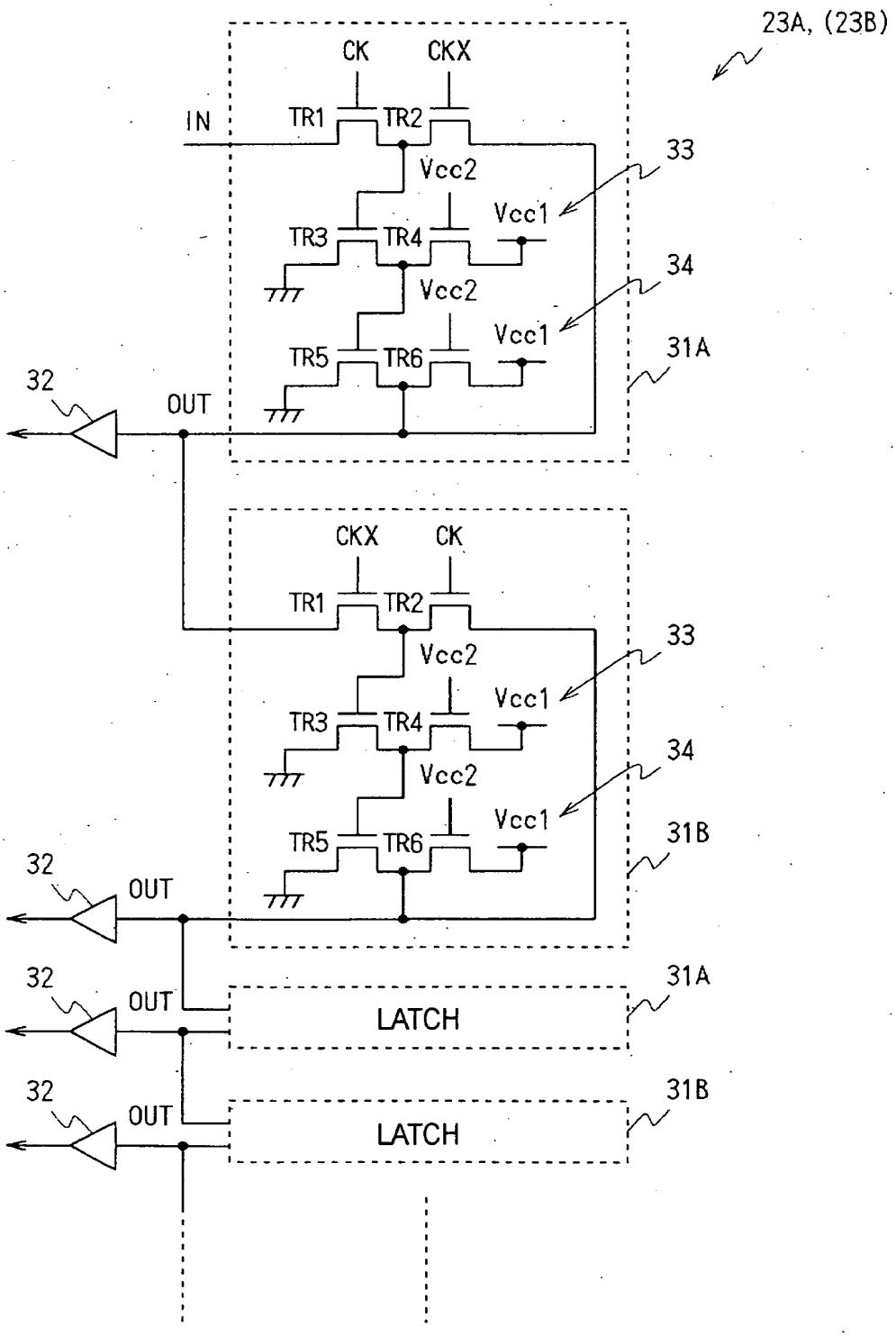

23A, (23B)
CK
CKX
IN
TR1
TR2
33
Vcc2
Vcc1
TR3
TR4
34
Vcc2
Vcc1
TR5
TR6
31A
32
OUT
CKX
CK
TR1
TR2
33
Vcc2
Vcc1
TR3
TR4
34
Vcc2
Vcc1
TR5
TR6
31B
32
OUT
32
OUT
LATCH
31A
32
OUT
LATCH
31B

FIG. 6

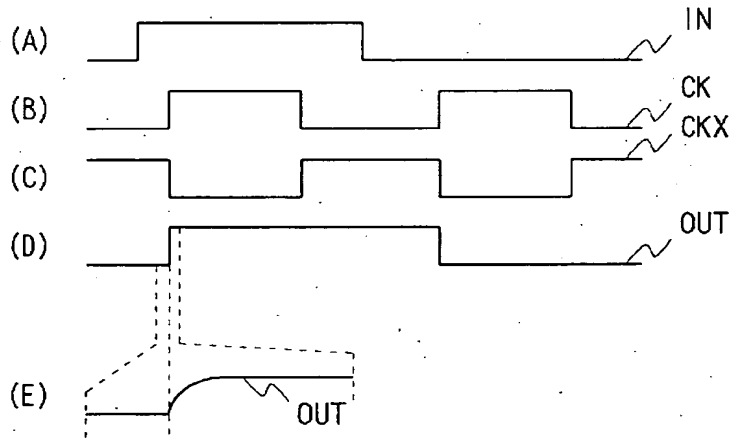


FIG. 7

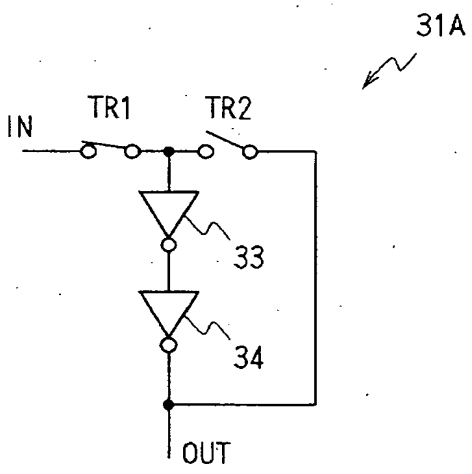


FIG. 8

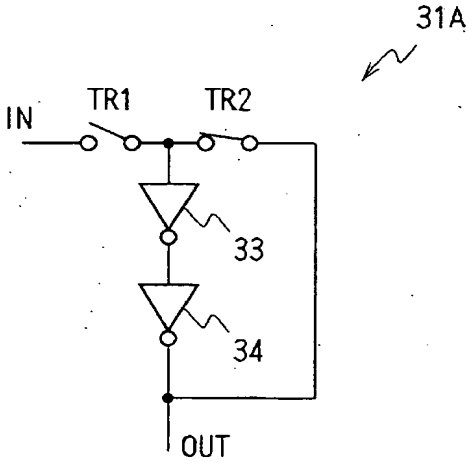


FIG. 9

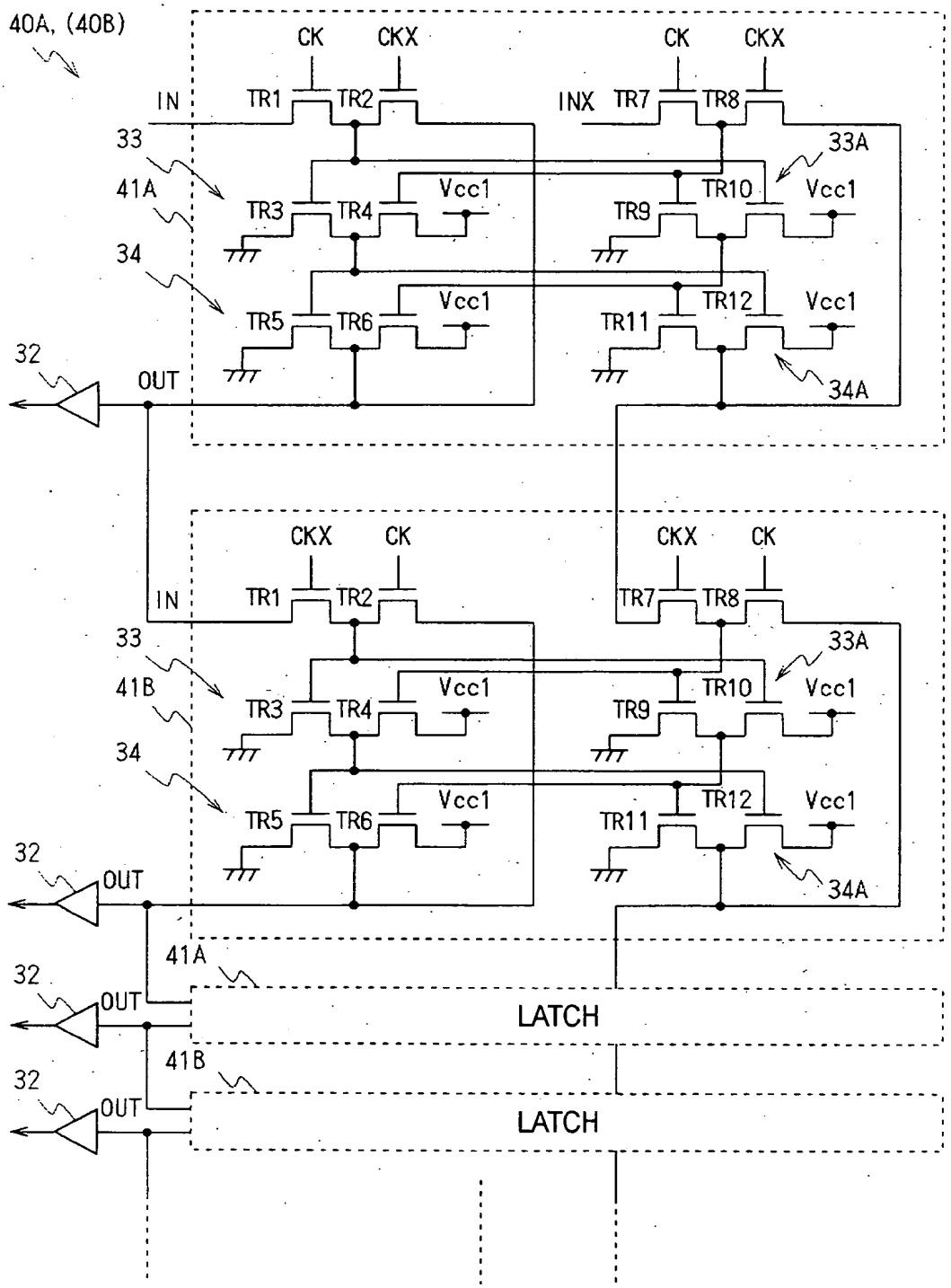
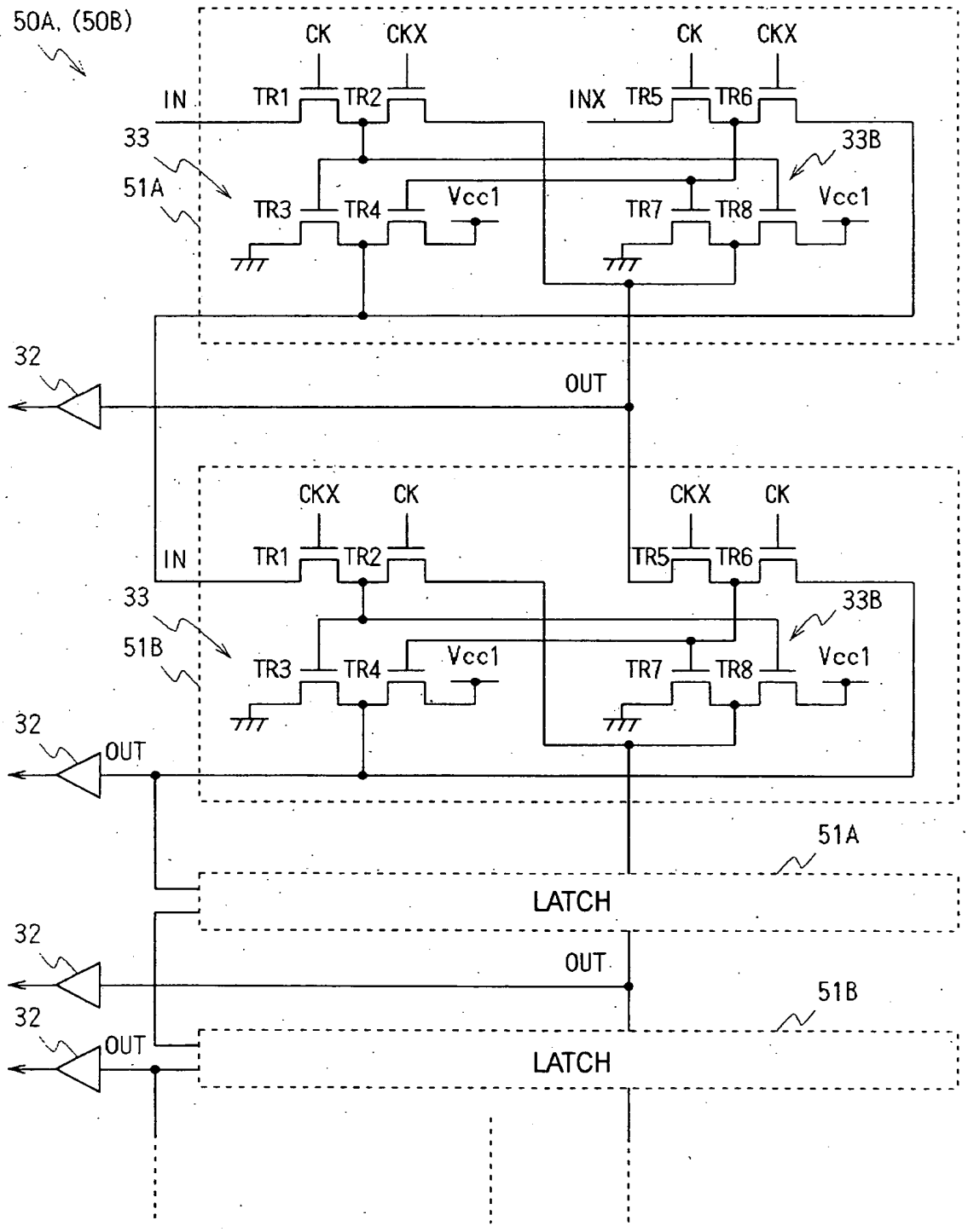

40A, (40B)
CK
CKX
IN
INX
TR1
TR2
TR7
TR8
33
33A
41A
41B
34
TR3
TR4
TR9
TR10
Vcc1
TR5
TR6
TR11
TR12
32
OUT
34A
LATCH

FIG. 10


50A, (50B)
CK
CKX
IN
TR1
TR2
INX
TR5
TR6
33
51A
33B
TR3
TR4
Vcc1
TR7
TR8
32
OUT
51B
LATCH

DESCRIPTION OF REFERENCE CHARACTER

1, 31A, 31B, 41A, 41B, 51A, 51B ..... LATCH CIRCUIT, 2, 3 ..... CLOCKED INVERTER CIRCUIT, 4, 33, 33A, 33B, 34, 34A ..... INVERTER CIRCUIT, 11, 21 ..... FLAT DISPLAY APPARATUS, 12, 22 ..... PIXEL SECTION, 13, 25 ..... GLASS SUBSTRATE, 14A, 14B, 23A, 23B, 40A, 40B, 50A, 50B ..... VERTICAL DRIVE CIRCUIT, 15, 24 ..... HORIZONTAL DRIVE CIRCUIT, 26 ..... TIMING GENERATOR, 32 ..... BUFFER CIRCUIT, TR1 - TR12 ..... TRANSISTOR